

II. Statements of the Claims

The text of all pending claims and the status of each claim is identified.

1. (Previously Presented) A method of disconnecting one end of a tubing from another end of the tubing, comprising:

holding the tubing in a stationary position at a first location and a second location;
shearing the tubing at one or more locations between and apart from the first location
and the second location to form at least a first section of tubing and a second
section of tubing; and
moving the first section of tubing away from the second section of tubing.

2. (Canceled) The method of claim 1, further comprising:

moving the first section of tubing away from the second section of tubing.

3. (Original) The method of claim 1, further comprising:

isolating the first section of tubing from the second section of tubing.

4. (Original) The method of claim 1, further comprising:

releasing pressurized fluidic materials from the first section of tubing.

5. (Original) The method of claim 1, further comprising:

releasing the first section of tubing.

6. (Original) The method of claim 1, further comprising:

shearing the tubing at a plurality of locations between the first and second location.

7. (Original) The method of claim 6, further comprising:

crimping the tubing at the plurality of locations between the first and second location.

8. (Original) The method of claim 5, further comprising:

floating an end of the first section of tubing upon the surface of a body of water.

9. (Previously Presented) A system for disconnecting one end of a tubing from another end of the tubing, comprising:

means for holding the tubing in a stationary position at a first location and a second location;

means for shearing the tubing at one or more locations between the first location and the second location to form at least a first section of tubing and a second section of tubing; and

means for releasing pressurized fluidic materials from at least one of the first section of tubing and the second section of tubing.

10. (Original) The system of claim 9, further comprising:

means for moving the first section of tubing away from the second section of tubing.

11. (Original) The system of claim 9, further comprising:

means for isolating the first section of tubing from the second section of tubing.

12. (Original) The system of claim 9, further comprising:

means for releasing pressurized fluidic materials from the first section of tubing.

13. (Original) The system of claim 9, further comprising:

means for releasing the first section of tubing.

14. (Original) The system of claim 9, further comprising:

means for shearing the tubing at a plurality of locations between the first and second location.

15. (Original) The system of claim 14, further comprising:

means for crimping the tubing at the plurality of locations between the first and second location.

16. (Original) The system of claim 13, further comprising:

means for floating an end of the first section of tubing upon the surface of a body of water.

17. (Previously Presented) A system for disconnecting one end of a tubing from another end of the tubing, comprising:

- a first holding device for holding the tubing at a first location;
- a second holding device coupled to the first holding device for holding the tubing at a second location;
- at least one shearing device coupled to the first and second holding devices for shearing the tubing at a location between and apart from the first and second locations to form at least a first and a second section of tubing; and
- an actuator device for moving the first section of tubing away from the second section of tubing.

18. (Previously Presented) The system of claim 17, wherein:

- the actuator device is coupled to the first and second holding devices.

19. (Original) The system of claim 18, wherein the actuator device comprises:

- an inner sleeve defining a passage for receiving the tubing and comprising a flange coupled to the first holding device;
- an outer sleeve defining a passage for receiving the inner comprising a flange coupled to the second holding device;
- one or more actuators for displacing the flanges of the inner and outer sleeves away from one another; and
- one or more shear pins for releasably coupling the inner and outer sleeves.

20. (Original) The system of claim 19, wherein the outer sleeve further defines one or more radial passages for venting pressurized fluidic materials from the tubing.

21. (Original) The system of claim 19, wherein the outer sleeve defines an annular piston chamber and a radial passage for pressurizing the annular piston chamber; and wherein the actuator comprises:

- a spring element received within the annular piston chamber; and
- a tubular piston received within the annular piston chamber.

22. (Original) The system of claim 17, further comprising:
an isolator device to the first and second holding devices for isolating the first and second sections of tubing.
23. (Original) The system of claim 17, wherein the first holding device is adapted to release the first section of tubing.
24. (Original) The system of claim 17, wherein the shearing device comprises:
a plurality of shearing devices for shearing the tubing at a plurality of locations between the first and second location.
25. (Original) The system of claim 24, wherein each of the shearing devices are adapted to crimp the tubing.
26. (Original) The system of claim 17, further comprising:
a floatation device for floating an end of the first section of tubing upon the surface of a body of water.
27. (Original) A method of disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:
holding the tubing on the offshore platform in a stationary position at a first location and a second location;
shearing the tubing on the offshore platform at a location between the first location and the second location to form a first section of tubing and a second section of tubing;
moving the first section of tubing away from the second section of tubing;
isolating the first section of tubing from the second section of tubing;
releasing pressurized fluidic materials from the first section of tubing; and
releasing the first section of tubing off of the offshore platform.
28. (Original) A system for disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

means for holding the tubing on the offshore platform in a stationary position at a first location and a second location;

means for shearing the tubing on the offshore platform at a location between the first location and the second location to form a first section of tubing and a second section of tubing;

means for moving the first section of tubing away from the second section of tubing;

means for isolating the first section of tubing from the second section of tubing;

means for releasing pressurized fluidic materials from the first section of tubing; and

means for releasing the first section of tubing off of the offshore platform.

29. (Original) A system for disconnecting one end of a coiled tubing from another end of the coiled tubing, comprising:

a first pipe ram assembly comprising:

a pipe ram housing defining a passage for receiving the tubing; and

a pipe ram movably coupled to the pipe ram housing for controllably engaging the tubing within the passage;

a first slip ram assembly coupled to the first pipe ram assembly comprising:

a slip ram housing defining a passage for receiving the tubing; and

a slip ram movably coupled to the slip ram housing for controllably engaging the tubing within the passage;

an hydraulic jack assembly coupled to the first slip ram assembly comprising:

an inner tubular member defining a passage for receiving the tubing and comprising a flange at one end;

an outer tubular member defining one or more radial passages for receiving the inner tubular member and comprising a flange at one end;

one or more shear pins coupled between the inner and outer tubular member; and

one or more hydraulic jacks coupled between the flanges of the inner and outer tubular members for controllably displacing the flanges;

a blind ram assembly coupled to the offshore platform and the hydraulic jack assembly comprising:

a blind ram housing defining a passage for receiving the tubing; and

- a blind ram movably coupled to the blind ram housing for controllably sealing off the passage;
 - a shear ram assembly coupled to the offshore platform and the blind ram assembly comprising:
 - a shear ram housing defining a passage for receiving the tubing; and
 - a shear ram movably coupled to the shear ram housing for controllably shearing the tubing;
 - a second pipe ram assembly coupled to the offshore platform and the shear ram assembly comprising:
 - a pipe ram housing defining a passage for receiving the tubing; and
 - a pipe ram movably coupled to the pipe ram housing for controllably engaging the tubing within the passage; and
 - a second slip ram assembly coupled to the offshore platform and the second pipe ram assembly comprising:
 - a slip ram housing defining a passage for receiving the tubing; and
 - a slip ram movably coupled to the slip ram housing for controllably engaging the tubing within the passage.
30. (Original) A method of disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:
- shearing and crimping the tubing on the offshore platform at a first location and a second location to form a first, a second and a third section of tubing;
 - restraining the movement of the first section of tubing on the offshore platform;
 - releasing the third section of tubing from the offshore platform; and
 - floating the third section of tubing upon the surface of a body of water.
31. (Original) A system for disconnecting one end of a coiled tubing from another end of coiled tubing on an offshore platform, comprising:
- means for shearing and crimping the tubing on the offshore platform at a first location and a second location to form a first, a second and a third section of tubing;
 - means for restraining the movement of the first section of tubing on the offshore platform;

means for releasing the third section of tubing from the offshore platform; and
means for floating the third section of tubing upon the surface of a body of water.

32. (Original) A system for disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

- a housing defining a first passage, a first chamber, a second passage, a second chamber, and a third passage for receiving the tubing coupled to the offshore platform, wherein the third passage is larger than the first and second passages;
- a first crimp and cut assembly comprising:
 - a first upper crimp and cut clamp and a first lower crimp and cut clamp movably supported within the first chamber for cooperatively crimping and cutting the tubing within the first chamber; and
- a second crimp and cut assembly comprising:
 - a second upper crimp and cut clamp and a second lower crimp and cut clamp movably support within the second chamber for cooperatively crimping and cutting the tubing within the second chamber; and
- a floatation device defining a fourth passage for receiving the tubing movably coupled to the housing, wherein the fourth passage is smaller than the third passage.

33. (Original) A method of disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

- holding the tubing in a stationary position on the offshore platform at a first location and a second location;
- shearing the tubing on the offshore platform at a plurality of locations between the first location and the second location to form a first section of tubing, a second section of tubing, and a third section of tubing; and
- moving the first section of tubing away from the third section of tubing on the offshore platform.

34. (Original) A system for disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

- means for holding the tubing in a stationary position on the offshore platform at a first location and a second location;

means for shearing the tubing on the offshore platform at a plurality of locations between the first location and the second location to form a first section of tubing, a second section of tubing, and a third section of tubing; and
means for moving the first section of tubing away from the third section of tubing on the offshore platform.

35. (Original) A system for disconnecting one end of a coiled tubing from another end of the coiled tubing on an offshore platform, comprising:

- a first packoff assembly defining a first passage for receiving the tubing comprising:

- a packer and a slip for engaging the tubing within the first passage; and
 - an actuator for controlling the operation of the packer and the slip;

- a first tubing cutter valve assembly coupled to the first packoff assembly defining a second passage for receiving the tubing comprising:

- a cutter valve for shearing the tubing within the second passage; and
 - an actuator for controlling the operation of the cutter valve;

- a separator assembly coupled to the first tubing cutter assembly comprising:

- a housing defining a third passage for receiving the tubing, an annular piston chamber, and a radial passage for pressurizing the annular piston chamber;

- a spring element received within the annular piston chamber;

- a tubular piston received within the annular piston chamber;

- a tubular member received within the third passage defining a fourth passage for receiving the tubing and comprising a flange; and

- a shear pin for releasably coupling the tubular member and the housing;

- a second tubing cutter valve assembly coupled to the offshore platform and the separator assembly defining a fifth passage for receiving the tubing comprising:

- a cutter valve for shearing the tubing within the fifth passage; and

- an actuator for controlling the operation of the cutter valve; and

- a second packoff assembly coupled to the offshore platform and the second tubing cutter valve assembly defining a sixth passage for receiving the tubing comprising:

- a packer and a slip for engaging the tubing within the sixth passage; and
 - an actuator for controlling the operation of the packer and the slip.